FIG. 1

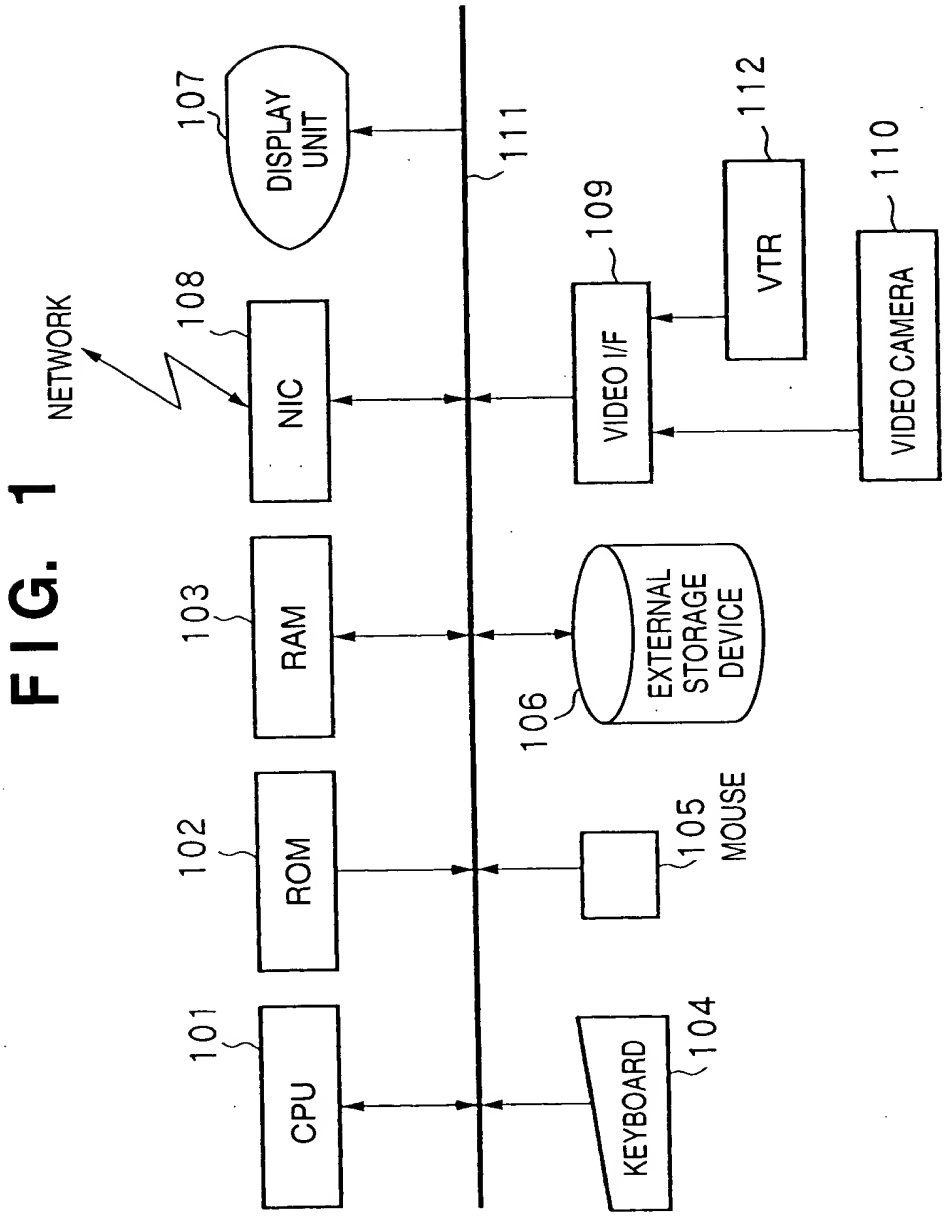
NETWORK
108
NIC
107
DISPLAY UNIT
111
109
VIDEO I/F
112
VTR
110
VIDEO CAMERA
103
RAM
106
EXTERNAL STORAGE DEVICE
102
ROM
105
MOUSE
101
CPU
104
KEYBOARD

FIG. 2

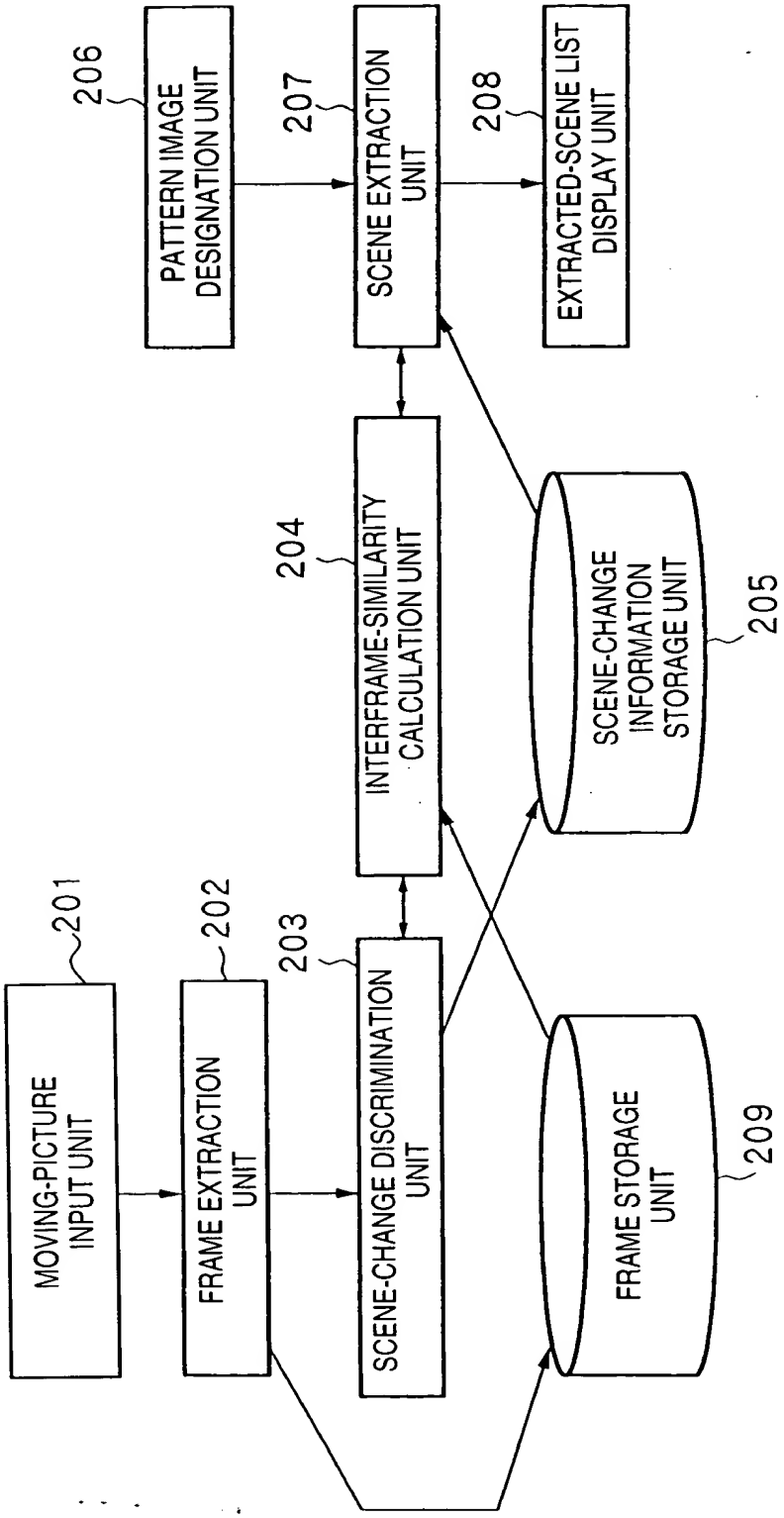
206
PATTERN IMAGE DESIGNATION UNIT
207
SCENE EXTRACTION UNIT
208
EXTRACTED-SCENE LIST DISPLAY UNIT
204
INTERFRAME-SIMILARITY CALCULATION UNIT
205
SCENE-CHANGE INFORMATION STORAGE UNIT
201
MOVING-PICTURE INPUT UNIT
202
FRAME EXTRACTION UNIT
203
SCENE-CHANGE DISCRIMINATION UNIT
209
FRAME STORAGE UNIT

FIG. 3

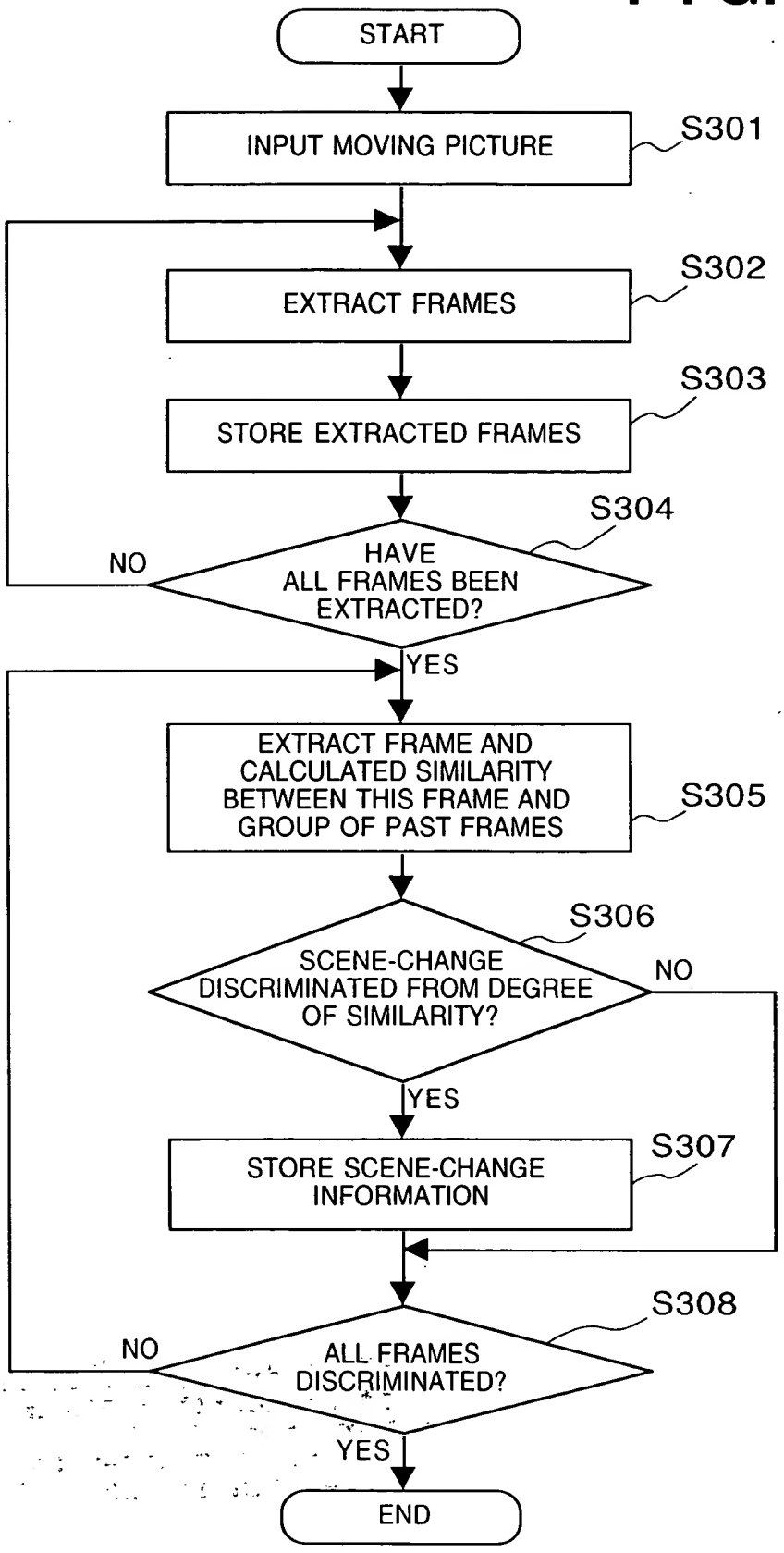
START
INPUT MOVING PICTURE
S301
EXTRACT FRAMES
S302
STORE EXTRACTED FRAMES
S303
HAVE ALL FRAMES BEEN EXTRACTED?
S304
NO
YES
EXTRACT FRAME AND CALCULATED SIMILARITY BETWEEN THIS FRAME AND GROUP OF PAST FRAMES
S305
SCENE-CHANGE DISCRIMINATED FROM DEGREE OF SIMILARITY?
S306
NO
YES
STORE SCENE-CHANGE INFORMATION
S307
ALL FRAMES DISCRIMINATED?
S308
NO
YES
END

FIG. 4

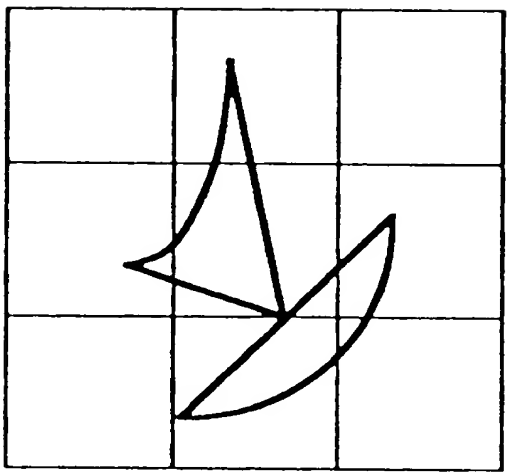

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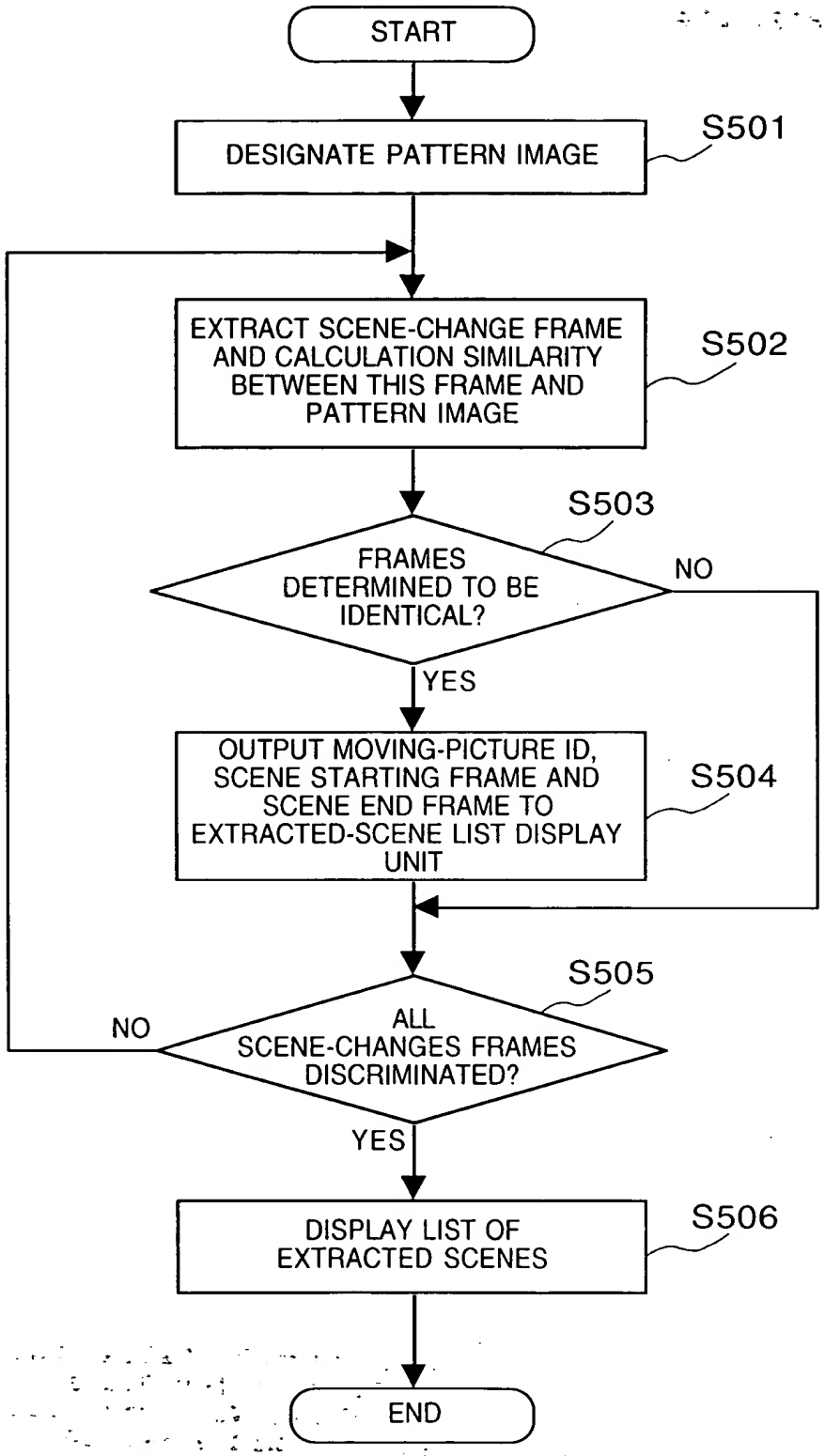
FIG. 5

ID OF MOVING PICTURE	ID OF SCENE CHANGE	STARTING FRAME	INTENSITY OF SCENE CHANGE
0	0	0	90
0	1	10	50
0	2	16	80

FIG. 6


START
DESIGNATE PATTERN IMAGE
S501
EXTRACT SCENE-CHANGE FRAME AND CALCULATION SIMILARITY BETWEEN THIS FRAME AND PATTERN IMAGE
S502
S503
FRAMES DETERMINED TO BE IDENTICAL?
NO
YES
OUTPUT MOVING-PICTURE ID, SCENE STARTING FRAME AND SCENE END FRAME TO EXTRACTED-SCENE LIST DISPLAY UNIT
S504
S505
ALL SCENE-CHANGES FRAMES DISCRIMINATED?
NO
YES
DISPLAY LIST OF EXTRACTED SCENES
S506
END

00:T20:921:E0560

FIG. 7

ID OF MOVING PICTURE	STARTING FRAME	END FRAME
0	10	15
0	20	34
1	15	38